

Claims

- [c1] 1.A method of preparing a conductive thermoplastic composition, comprising:
adding to a first feed port of an extruder about 20 to about 70 parts by weight of a poly(arylene ether) and 0 to about 20 parts by weight of a first polyamide;
adding to a second feed port of the extruder about 20 to about 75 parts by weight of a second polyamide, wherein the second feed port is downstream of the first feed port; and
adding to the second feed port or a third feed port of the extruder about 5 to about 40 parts by weight of a concentrate comprising about 5 to about 20 weight percent of a conductive carbon black and about 80 to about 95 weight percent of a third polyamide, wherein the third feed port is downstream of the second feed port;
wherein the extruder has a screw length to diameter ratio less than 38.
- [c2] 2.The method of Claim 1, wherein the concentrate is added to the second feed port.
- [c3] 3.The method of Claim 1, wherein the concentrate is added to the third feed port.
- [c4] 4.The method of Claim 1, wherein the extruder has a screw length to diameter ratio less than 35.
- [c5] 5.The method of Claim 1, wherein the extruder has a screw length to diameter ratio less than 30.
- [c6] 6.The method of Claim 1, wherein the extruder has a screw length to diameter ratio less than 27.
- [c7] 7.The method of Claim 1, wherein the poly(arylene ether) comprises a plurality of structural units of the formula